





Connecting via BACnet MSTP				Connecting via BACnet UDP/IP		
1.	Power on unit to verify it is t verifying power down the u	functioning properly. After nit.	 Power on unit to verify it is functioning properly. After verifying power down the unit. 			
2.	Wire MSTP cables to unit.		2.	Connect ethernet cable to u	ınit.	
•	The RS485 network cable connections are polarity sensitive and must be connected the same way on every device (i.e. + to + and - to -). Shield drain connections should be daisy chained in the same manner as the signal cables for RS485. The shield drain wire should be left unterminated at the end of the cable and connected to earth only at the network master controller. Shield wires must not be connected to the RS485 connector on the System-1000 The maximum number of devices allowed on an RS485 network segment without a repeater is 32. Adding more than 32 devices to a single segment may reduce the transceiver output voltage to a level that is too low to be distinguished from back ground noise on the cable.					
3.	Connect power to unit.		3.	Connect power to unit.		
4.	Navigate to the systems network configuration. From the main menu select:		4.	Navigate to the systems network configuration. From the main menu select:		
User Configurations -> Network -> BACnet MSTP			User Configurations -> Network -> BACnet UDP/IP			
5.	Configure device as needed. Default values are listed below.		5. Configure device as needed. Default values are listed below.			
	Baud Rates	38400		Default Address	192.168.1.24	
	Device Address Range	017		Instance Number	57017	
	Device Instance Range	57017		Subnet Mask	255.255.255.0	
	Max Master	127		Gateway Address	Programmable	
				UDP port	47808	
6. Power cycle the device and it is now ready to connect to the controller or next device in the trunk.			6. Power cycle the device and it is now ready to connect to the controller or next device in the trunk.			

Checking Network Status

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1.	From the main menu, select diagnostics	1.	From the main menu, select diagnostics		
•	If the meter is connected to an active network, System-1000 display will show Active on the NETWORK message	•	If the meter is connected to an active network, System-1000 display will show Active on the NETWORK message		
2.	Link Down: No traffic has been seen in 60 seconds	2.	Link Down: The ethernet hardware does not detect that it is physically connected to another ethernet interface		
	Link Up: Traffic has been seen in the last 60 seconds		Up, Active: The ethernet hardware has seen traffic in the last 15 seconds		
			Up, Inactive: No traffic has been seen by the ethernet hardware in 15 seconds		

